

AMENDMENTS TO THE CLAIMS

Claims 1-9 (cancelled).

Claim 10 (currently amended): A method of controlling ~~displayed a~~ video segment and data utilizing a remote control device that interacts with a set-top box to provide enhanced interactive content based upon an identity of a current user of said personal remote control comprising [[:]] :

recognizing said current user with an interface in said personal remote control unit using biometric identification;

establishing an identification of said current user based upon ~~the recognition data~~ results of the biometric identification ~~supplied to said remote~~;

communicating said identification of said current user to said set-top box [[:]] ;

assigning preference and profile data for said current user to a current user database within said set-top box; and

controlling display of said ~~interactive output~~ video segment of said ~~set-top box~~ by ~~controlling said video content~~ based on said preference and profile data.

Claim 11 (currently amended): A method of claim 10, wherein the ~~process of controlling the interactive output of said set-top box by~~ step of controlling display of said video ~~content~~ segment is based on comparing said one or more tags placed in said video ~~stream~~ segment that indicate content of said video ~~stream~~ segment to said preference and profile data within said current user database.

Claim 12 (currently amended): A method of claim 10 wherein ~~the process of recognizing said current user further comprises:~~

said ~~recognizing said current user of said remote control device~~ biometric identification is based on a physical attribute of said current user.

Claim 13 (currently amended): A method of claim 10, wherein ~~the process of recognizing said current user further comprises:~~

said ~~recognizing said current user of said remote control device~~ biometric identification is based on an intellectual attribute of said current user.

Claim 14 (previously presented): A method of claim 10, further comprising the process of empirically deriving said profile data from the usage patterns of said remote control device by said current user.

Claim 15 (previously presented): A method of claim 10, further comprising the process of pretagging said video content to indicate content of the video stream prior to being input into said set-top box.

Claims 16-26 (cancelled).

Cl
Cont.
Claim 27 (currently amended): A method of controlling ~~displayed a video segment~~ and data utilizing a remote control device that interacts with a set-top box to provide enhanced interactive content based upon an identity of a current user of said personal remote control comprising[[:]]:

recognizing said current user with an interface in said personal remote control unit using biometric identification;

establishing said identity of said current user based upon ~~the recognition data~~ results of the biometric identification ~~supplied to said personal remote control~~;

communicating said identification of said current user to said set-top box;

assigning preference and profile data for said current user to a current user database within said set-top box; and

controlling ~~an interactive output of said set-top box by controlling said video content~~ display of said video segment based upon said preference and profile data and a comparison of tags placed in said video stream segment, ~~that indicate said video content of said video stream~~, with said preference and profile data stored in said current user database, wherein the tags are descriptive of the video segment.

Claim 28 (currently amended): A method of claim 27, wherein ~~the process of recognizing said current user further comprises:~~

said ~~recognizing said current user of said remote control device~~ biometric identification is based on a physical attribute of said current user.

Claim 29 (currently amended): A method of claim 27, wherein ~~the process of recognizing said current user further comprises:~~

said ~~recognizing said current user of said remote control device~~ biometric identification is based on an intellectual attribute of said current user.

Claim 30 (currently amended): A method of claim 27, further comprising the process of empirically deriving said profile data from [[the]] usage patterns of said remote control device by said current user.

CI
cont.
Claim 31 (currently amended): A method of claim 27, further comprising the process of pretagging said video ~~content~~ segment to indicate content of the video ~~stream~~ segment prior to being input into said set-top box.

Claim 32 (currently amended): A method of claim 27, wherein ~~the process of controlling an interactive output of said set-top box by controlling said video content based upon said preference and profile data and a comparison of tags placed in said video stream, that indicate said video content of said video further comprises:~~

said tags ~~that~~ are created in real time by video recognition techniques utilizing key words.

Claim 33 (currently amended): A method of claim 27, wherein ~~the process of controlling an interactive output of said set-top box by controlling said video content based upon said preference and profile data and a comparison of tags placed in said video stream, that indicate said video content of said video further comprises:~~

said tags [[that]] are created in real time by video recognition techniques utilizing key images.

Claim 34 (currently amended): A method of claim 27, wherein ~~the process of controlling an interactive output of said set-top box by controlling said video content based upon said preference and profile data and a comparison of tags placed in said video stream, that indicate said video content of said video further comprises:~~

said tags [[that]] are created in real time by video recognition techniques utilizing key sounds.

Claims 35-43 (cancelled).

Claim 44 (currently amended): A system for controlling the display of enhanced video content utilizing a personalized remote control device such that said enhanced video content that is displayed[[,]] is based upon an identity of a current user of said personal remote control comprising:

an identification input device within said personalized remote control that determines said identity of said current user based on biometric identification;

a communication link between said personalized remote control and said set-top box that transmits said identity of said current user;

a current user database located at current users premises;

a set-top box that assigns preference and profile data corresponding to said current user to a current user database, and that assigns preference and profile data corresponding to said current user to said current user database, and that controls said display of said enhanced video content based on said preference and profile data within said current user database.

Claim 45 (currently amended): A system of claim 44, wherein said control of said display of enhanced video content of said set-top box is performed by comparing tags placed in said enhanced video stream content ~~that indicate content of said video stream~~ to said preference and profile data within said current user database, wherein the tags are descriptive of the enhanced video content.

Claim 46 (currently amended): A system of claim 44, wherein said ~~identification input device of said personalized remote control recognizes said current user~~ biometric identification is based on a physical attribute of said current user.

Claim 47 (currently amended): A system of claim 44, wherein said biometric identification ~~is identification input device of said personalized remote control device recognizes said current user~~ based on an intellectual attribute of said current user.

Claim 48 (currently amended): A system of claim 44, wherein said preference and profile data is empirically derived from [[the]] usage patterns of said remote control device by said current user.

Cl
Cont.
Claim 49 (currently amended): A system of claim 44, wherein said enhanced video content is pretagged to indicate content of the enhanced video ~~stream~~ content.

Claims 50-61(cancelled).

Claim 62 (currently amended): A system for controlling the display of enhanced video content of a video stream utilizing a personalized remote control device such that said enhanced video content that is displayed is based upon an identity of a current user of said personal remote control comprising:

an identification input device within said personalized remote control that determines the identity of said current user based on biometric identification;

a communication link between said personalized remote control and said set-top box that transmits said identity of said current user;

a current user database located at current users premises;

a set-top box that assigns preference and profile data corresponding to said current user to a current user database, and that assigns preference and profile data corresponding to said current user

to said current user database and that controls said display of said video content based on said preference and profile data within said current user database, and that controls said display of said enhanced video content based on comparing tags placed in said video stream that indicate content of said video stream to said preference and profile data within said current user database.

Claim 63 (cancelled).

Claim 64 (currently amended): A system of claim 62, wherein the ~~identification input of said current user of said remote control device~~ biometric identification is based on a physical attribute of said current user.

Claim 65 (currently amended): A system of claim 62, wherein ~~said identification input of said current user of said remote control device~~ the biometric identification is based on an intellectual attribute of said current user.

Claim 66 (currently amended): A system of claim 62, wherein said profile data is empirically derived from [[the]] usage patterns of said remote control device by said current user.

Claim 67 (currently amended): A system of claim 62, wherein said enhanced video content is pretagged to indicate content of the video stream.

Claim 68 (previously presented): A system of claim 62, wherein said tags are created in real time by video recognition techniques utilizing key words.

Claim 69 (previously presented): A system of claim 62, wherein said tags are created in real time by video recognition techniques utilizing key images.

Claim 70 (previously presented): A system of claim 62, wherein said tags are created in real time by video recognition techniques utilizing key sounds.

Claim 71 (currently amended): A method of controlling the display of displayed video segments of a video stream utilizing a remote control device that interacts with a set-top box to provide selective programming based upon an identity of a current user of said personal remote control comprising:

receiving recognition data from said current user [[,]] through the use of ~~an interface~~ biometric identification in said personal remote control unit;

establishing said identity of said current user, based upon said recognition data ~~supplied to said remote~~;

communicating said identification of said current user to said set-top box;

assigning preference and profile data corresponding to said identity of said current user to a current user database within said set-top box;

controlling said display of said video segments of said video stream by controlling video content of said video stream based on a comparison of said preference and profile data with tags that are placed in said video stream that indicate said video content of said video segments on a segment-by-segment basis.

Claim 72 (currently amended): A method of claim 71, wherein ~~recognition data from said current user of said remote control device is generated~~ the biometric identification is based on a physical attribute of said current user.

Claim 73 (currently amended): A method of claim 71, wherein the ~~recognition data from said current user of said remote control device is generated~~ biometric identification is based on an intellectual attribute of said current user.

Claim 74 (currently amended): A method of claim 71, wherein said profile data is empirically derived from [[the]] usage patterns of said remote control device by said current user.

Claim 75 (previously presented): A method of claim 71, wherein said video content is pretagged to indicate content of the video stream prior to being input into said set-top box.

Claim 76 (previously presented): A method of claim 71, wherein said tags are created in real time by video recognition techniques utilizing key words.

Claim 77 (previously presented): A method of claim 71, wherein said tags are created in real time by video recognition techniques utilizing key images.

Claim 78 (previously presented): A method of claim 71, wherein said tags are created in real time by video recognition techniques utilizing key sounds.

①
cont.
Claim 79 (currently amended): A system for controlling the display of video segments utilizing a personalized remote control device to provide selective programming based upon an identity of a current user of said personal remote control comprising[[,]]:

an identification input device within said remote to determine said identity of said current user[[,]] based on biometric identification;

a set-top box that assigns preference and profile data corresponding to said current user to a current user database within said set-top box, and that controls video segment output by controlling video segment content based on said preference and profile data within said current user database, and that further controls said video segment output by controlling said video segment content based on comparing tags placed in a video stream that indicate said video segment content of said video stream on a segment-by-segment basis to said preference and profile data within said current user database;

a communication link between said personalized remote control and said set-top box for transmission of said identity of said current user to said set-top box.

Claim 80 (previously presented): A system of claim 79, wherein the of control of the video output of said set-top box by controlling said video content is based on comparing said tags placed

in said video stream that indicate content of said video stream to said preference and profile data within said current user database.

Claim 81 (currently amended): A system of claim 79, wherein said ~~identification input of said current user of said remote control device~~ biometric identification is based on a physical attribute of said current user.

Claim 82 (currently amended): A system of claim 79, wherein said ~~identification input of said current user of said remote control device~~ biometric identification is based on an intellectual attribute of said current user.

Claim 83 (currently amended): A system of claim 79, wherein said profile data is empirically derived from [[the]] usage patterns of said remote control device by said current user.

Claim 84 (previously presented): A system of claim 79, wherein said video content is pretagged to indicate content of the video stream.

Claim 85 (previously presented): A system of claim 79, wherein said tags are created in real time by video recognition techniques utilizing key words.

Claim 86 (previously presented): A system of claim 79, wherein said tags are created in real time by video recognition techniques utilizing key images.

Claim 87 (previously presented): A system of claim 79, wherein said tags are created in real time by video recognition techniques utilizing key sounds.

Claim 88 (new): The method of claim 10, wherein the biometric identification comprises voice recognition.

Claim 89 (new): The system of claim 44, wherein the biometric identification comprises voice recognition.

C1
Cancel

Claim 90 (new): The method of claim 11 further comprising the steps of:
storing the video segment on a video storage device;
generating a video pointer table comprising an address at which the video segment is located in the video storage device; and
storing in the video pointer table the results of the comparison of the one or more tags and the preference and profile data, wherein the display of the video segment is based on the results of the comparison.
